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Docket: AM-1622.D1

1763

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Ingrid C. Mallory  
Ingrid C. Mallory

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:** Hong SHIH et al.

**Attorneys Docket:** AM-1622.D1

**Serial No.:** 09/489,356

**Art Unit No.:** 1763

**Filed:** January 21, 2000

**Examiner:** R. Zervigon

**For:** "COATING BORON CARBIDE ON ALUMINUM"

Commissioner of Patents and Trademarks  
Washington, DC 20231

**AMENDMENT UNDER 37 CFR §1.111**

Sir:

In response to the Office Action of April 25, 2002, please amend the above application as follows:

**Please replace the claims with:**

1. (Already Amended) A method of coating boron carbide on an aluminum-based substrate, comprising the steps of:

roughening a surface of a substrate to a value of surface finish  $R_a$  of at least  $2.5\mu\text{m}$ , wherein said substrate is composed of an aluminum-based material selected from the group consisting of substantially pure aluminum and aluminum alloys including at least 90 wt% elemental aluminum;

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